

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method for automatically re-establishing a connection to a data source accessible by a plurality of remote applications, the method comprising:
 - providing at least one interface module configured to interface with a remote application;
 - providing at least one port module configured to interface between the interface module and the data source;
 - providing a connection manager to facilitate the interface between the interface module and the at least one port module;
 - detecting unavailability of the data source in response to an initial request for the data source by the remote application;
 - dynamically detecting availability of the data source in response to a subsequent request for the data source; and
 - re-connecting the data source to the remote application in response to the subsequent request,

wherein the at least one port module detects the unavailability of the data source, sends an error message to the interface module indicating the unavailability of the data source, detects the availability of the data source in response to the subsequent request for the data source,

reestablishes a connection with the data source, determines a last status of the data source and
reconnects the remote application to the data source based on the determination of the last status
of the data source by directly communicating with the remote application and bypassing the
connection manager in the subsequent request.

2. (previously presented): The method of claim 1, wherein the detecting unavailability is executed by the at least one port module.

3. (previously presented) The method of claim 1, wherein the detecting unavailability is executed by the connection manager.

4. (previously presented): The method of claim 1, wherein the dynamically detecting is executed by the at least one port module.

5. (previously presented): The method of claim 1, wherein the dynamically detecting is executed by the connection manager.

6. (previously presented): The method of claim 1, wherein re-connecting further comprises re-establishing a connection between the at least one port module and the data source independently from initialization of the connection manager.

7. (previously presented): The method of claim 1, wherein re-connecting further comprises re-establishing a connection between the at least one port module and the data source without re-initializing the connection manager.

8. (currently amended): A computer readable medium having stored thereon computer executable instructions for performing a method for connecting a plurality of remote applications with a data source, the method comprising:

- providing at least one interface module configured to interface with a remote application;
- providing at least one port module to interface between the interface module and the data source;

- providing a connection manager to facilitate the interface between the interface module and the at least one port module;

- detecting unavailability of the data source in response to an initial request for the data source by the remote application;

- dynamically detecting availability of the data source in response to a subsequent request for the data source; and

re-connecting the data source to the remote application in response to the subsequent request,

wherein the at least one port module detects the unavailability of the data source, sends an error message to the interface module indicating the unavailability of the data source, detects the availability of the data source in response to the subsequent request for the data source, reestablishes a connection with the data source, determines a last status of the data source and reconnects the remote application to the data source ~~based on the determination of the last status of the data source~~ by directly communicating with the remote application and bypassing the connection manager.

9. (previously presented): The computer readable medium of claim 8, wherein the detecting unavailability is executed by the at least one port module.

10. (previously presented) The computer readable medium of claim 8, wherein the detecting unavailability is executed by the connection manager.

11. (previously presented): The computer readable medium of claim 8, wherein the dynamically detecting is executed by the at least one port module.

12. (previously presented): The computer readable medium of claim 8, wherein the dynamically detecting is executed by the connection manager.

13. (previously presented): The computer readable medium of claim 8, wherein re-connecting further comprises re-establishing a connection between the at least one port module and the data source independently from initialization of the connection manager.

14. (previously presented): The computer readable medium of claim 8, wherein re-connecting further comprises re-establishing a connection between the at least one port module and the data source without re-initializing the connection manager.

15. (currently amended): A system for connecting a plurality of remote applications with a data source, the system comprising:

an interface module configured to interface with a remote application;

a port module configured to interface between the interface module and the data source;

and

a connection manager module configured to facilitate an interface between the interface module and the port module, wherein:

one of the port module and the connection manager module are further configured to detect unavailability of the data source in response to an initial request for the data source by the remote application, to dynamically detect availability of the data source in response to a subsequent request for the data source, and to re-connect the data source to the remote application in response to the subsequent request,

wherein the port module detects the unavailability of the data source, sends an error message to the interface module indicating the unavailability of the data source, detects the availability of the data source in response to the subsequent request for the data source, reestablishes a connection with the data source, ~~determines a last status of the data source and~~ reconnects the remote application to the data source ~~based on the determination of the last status of the data source~~ by directly communicating with the remote application and bypassing the connection manager.

16. (previously presented): The system of claim 15, wherein the port module is configured to execute at least one of the dynamically detecting and re-connecting steps.

17. (previously presented): The system of claim 15, wherein the connection manager module is configured to execute at least one of the dynamically detecting and re-connecting steps.

18. (previously presented): The system of claim 15, wherein re-connecting further comprises re-establishing a connection between the port module and the data source independently from initialization of the connection manager.

19. (previously presented): The system of claim 15, wherein re-connecting further comprises re-establishing a connection between the port module and the data source without re-initializing the connection manager.

20. (previously presented): The method of claim 1, further comprising connecting directly the interface module and the at least one port module for communicating independently from the connection manager in subsequent communications.

21. (previously presented): The computer readable medium of claim 8, further comprising connecting directly the interface module and the at least one port module for communicating independently from the connection manager in subsequent communications.

22. (previously presented): The system of claim 15, wherein the interface module and the port module are configured to be directly connected for communicating independently from the connection manager in subsequent communications.

23. (canceled).

24. (previously presented): The method of claim 1, wherein the port module reconnects the remote application to the data source without initialization by the connection manager.